

L Number	Hits	Search Text	DB	Time stamp
1	4	(feline or cat) same (blood adj1 type) same antibody	USPAT; US-PGPUB; EPO; DERWENT	2004/04/06 11:39
2	2	((feline or cat) same (blood adj1 type) same antibody) and glycolipid	USPAT; US-PGPUB; EPO; DERWENT	2004/04/06 11:39

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:41:43 ON 06 APR 2004

=> file .meeting

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ENTER A FILE NAME OR (IGNORE):ignore

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 10:41:55 ON 06 APR 2004

FILE 'BIOTECHNO' ENTERED AT 10:41:55 ON 06 APR 2004

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=> (feline or cat) (P) (blood type) (P) antibody

L1 0 FILE AGRICOLA

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'CAT) (P) (BLOOD'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'TYPE) (P) ANTIBODY'

L2 4 FILE BIOTECHNO

L3 0 FILE CONFSCI

L4 0 FILE HEALSAFE

L5 0 FILE IMSDRUGCONF

L6 2 FILE LIFESCI

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'CAT) (P) (BLOOD'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'TYPE) (P) ANTIBODY'
L7 0 FILE MEDICONF
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'CAT) (P) (BLOOD'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'TYPE) (P) ANTIBODY'
L8 1 FILE PASCAL

TOTAL FOR ALL FILES

L9 7 (FELINE OR CAT) (P) (BLOOD TYPE) (P) ANTIBODY

=> l9 and glycolipid

L10 0 FILE AGRICOLA
L11 1 FILE BIOTECHNO
L12 0 FILE CONFSCI
L13 0 FILE HEALSAFE
L14 0 FILE IMSDRUGCONF
L15 0 FILE LIFESCI
L16 0 FILE MEDICONF
L17 0 FILE PASCAL

TOTAL FOR ALL FILES

L18 1 L9 AND GLYCOLIPID

=> d l18 ibib abs total

L18 ANSWER 1 OF 1 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN

ACCESSION NUMBER: 1992:22192982 BIOTECHNO

TITLE: N-glycolylneuraminic acid and N-acetylneuraminic acid
define **feline** blood group A and B antigens

AUTHOR: Andrews G.A.; Chavey P.S.; Smith J.E.; Rich L.

CORPORATE SOURCE: Department of Pathology, College of Veterinary
Medicine, Kansas State University, Manhattan, KS
66506-5605, United States.

SOURCE: Blood, (1992), 79/9 (2485-2491)

CODEN: BLOOAW ISSN: 0006-4971

DOCUMENT TYPE: Journal; Article

COUNTRY: United States

LANGUAGE: English

SUMMARY LANGUAGE: English

AN 1992:22192982 BIOTECHNO

AB Blood group incompatibility causes transfusion reactions and neonatal isoerythrolysis in **cats**. We investigated the molecular nature of the blood group antigens from **cats** that had **blood type** A, B, and AB erythrocytes. Naturally occurring anti-type B **antibodies**, Triticum vulgaris lectin, monoclonal **antibody** (MoAb) 32-27, and MoAb R-24 were used in agglutination tests, Western blots, and thin-layer chromatography (TLC) enzyme immunostaining. Type A erythrocytes had NeuGc-NeuGc-Galactose-Glucose- Ceramide (ϕ NeuGc!.sub.2G(D3)) where NeuGc represents N-glycolylneuraminic acid, and NeuAc-NeuGc-G(D3), where NeuAc represents N-acetylneuraminic acid, and may have ϕ NeuGc!.sub.2 disialylparagloboside and NeuAc-NeuGc- disialylparagloboside. Type B erythrocytes only had ϕ NeuAc!.sub.2G(D3). Type AB erythrocytes had ϕ NeuGc!.sub.2G(D3), NeuAc-NeuGc-G(D3), and ϕ NeuAc!.sub.2G(D3). Blood group antigens were also found on a 50-Kd membrane protein. We conclude that type B erythrocytes are characterized by ϕ NeuAc!.sub.2G(D3) as the only form of this ganglioside and the presence of NeuAc on a 50-Kd membrane protein. NeuGc is the major determinant of the A antigen; specifically, ϕ NeuGc!.sub.2G(D3) is the major **glycolipid** form. The A antigen is also present on a 50-Kd membrane protein.

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PASSWORD:

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NEWS	5	SEP 29	DISSABS now available on STN
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NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
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=> (feline or cat) (P) (blood type) (P) antibody

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L2 4 FILE BIOTECHNO

L3 0 FILE CONFSCI

L4 0 FILE HEALSAFE

L5 0 FILE IMSDRUGCONF

L6 2 FILE LIFESCI

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'CAT) (P) (BLOOD'

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH

FIELD CODE - 'AND' OPERATOR ASSUMED 'TYPE) (P) ANTIBODY'
L7 0 FILE MEDICONF
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'CAT) (P) (BLOOD'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'TYPE) (P) ANTIBODY'
L8 1 FILE PASCAL

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L16 0 FILE MEDICONF
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